SEQUENCE LISTING

<110> Gmachl, Michael
Peters, Jan-Michael
Gieffers, Christian

<120> Methods for Identifying Inhibitors of the Anaphase Promoting Complex

<130> 0652.2310001

<140> 09/893,443
<141> 2001-06-29

<150> 60/243,157
<151> 2000-10-25

<150> EP 0 113 832.0
<151> 2000-06-29

<160> 3

<170> PatentIn version 3.2

<210> 1
<211> 1051
<212> PRT
<213> Triticum aestivum

<400> 1

Met Leu Pro Arg Lys Arg Glu Ile Val Ala Gly Glu Val Glu Asp Leu
1 5 10 15

Gln Lys Lys Thr Arg Ala Gly Glu Gly Glu Val Thr Arg Glu Glu Gly
20 25 30

Asp Ala Ala Met Ala Gly Arg Gly Asn Glu Ile Asp Glu Asp Leu His
35 40 45

Ser Arg Gln Leu Ala Val Tyr Gly Arg Glu Thr Met Lys Arg Leu Phe
50 55 60

Gly Ser Asn Val Leu Val Ser Gly Leu Gln Gly Leu Gly Ala Glu Ile
65 70 75 80

Ala Lys Asn Leu Val Leu Ala Gly Val Lys Ser Val Thr Leu His Asp
85 90 95

Asp Gly Asn Val Glu Leu Trp Asp Leu Ser Ser Asn Phe Phe Leu Ser
100 105 110

Glu Asn Asp Val Gly Gln Asn Arg Ala Gln Ala Cys Val Gln Lys Leu
115 120 125

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Gln Glu Leu Asn Asn Ala Val Leu Val Ser Ala Leu Thr Gly Asp Leu
    130                 135                 140

Thr Lys Glu His Leu Ser Lys Phe Gln Ala Val Val Phe Thr Asp Ile
145                 150                 155                 160

Ser Leu Asp Lys Ala Ile Glu Phe Asp Asp Tyr Cys His Ser Gln Gln
                165                 170                 175

Pro Pro Ile Ala Phe Ile Lys Ser Glu Val Arg Gly Leu Phe Gly Ser
            180                 185                 190

Val Phe Cys Asp Phe Gly Pro Glu Phe Thr Val Leu Asp Val Asp Gly
        195                 200                 205

Glu Glu Pro His Thr Gly Ile Val Ala Ser Ile Ser Asn Asp Asn Pro
    210                 215                 220

Ala Leu Val Ser Cys Val Asp Asp Glu Arg Leu Glu Phe Gln Asp Gly
225                 230                 235                 240

Asp Leu Val Val Phe Ser Glu Val His Gly Met Thr Glu Leu Asn Asp
                245                 250                 255

Gly Lys Pro Arg Lys Val Lys Asn Ala Arg Pro Tyr Ser Phe Phe Leu
            260                 265                 270

Glu Glu Asp Thr Ser Ser Phe Gly Ala Tyr Val Arg Gly Gly Ile Val
        275                 280                 285

Thr Gln Val Lys Pro Pro Lys Val Ile Lys Phe Lys Pro Leu Lys Glu
    290                 295                 300

Ala Met Ser Glu Pro Gly Glu Phe Leu Met Ser Asp Phe Ser Lys Phe
305                 310                 315                 320

Glu Arg Pro Pro Leu Leu His Leu Ala Phe Gln Ala Leu Asp Lys Phe
                325                 330                 335

Arg Thr Glu Leu Ser Arg Phe Pro Val Ala Gly Ser Thr Asp Asp Val
            340                 345                 350

Gln Arg Val Ile Glu Tyr Ala Ile Ser Ile Asn Asp Thr Leu Gly Asp
        355                 360                 365

Arg Lys Leu Glu Glu Ile Asp Lys Lys Leu Leu His His Phe Ala Ser
    370                 375                 380
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Gly Ser Arg Ala Val Leu Asn Pro Met Ala Ala Met Phe Gly Gly Ile
385 390 395 400

Val Gly Gln Glu Val Val Lys Ala Cys Ser Gly Lys Phe His Pro Leu
405 410 415

Tyr Gln Phe Phe Tyr Phe Asp Ser Val Glu Ser Leu Pro Val Asp Pro
420 425 430

Leu Glu Pro Gly Asp Leu Lys Pro Lys Asn Ser Arg Tyr Asp Ala Gln
435 440 445

Ile Ser Val Phe Gly Ser Lys Leu Gln Asn Lys Leu Glu Glu Ala Lys
450 455 460

Ile Phe Met Val Gly Ser Gly Ala Leu Gly Cys Glu Phe Leu Lys Asn
465 470 475 480

Leu Ala Leu Met Gly Ile Ser Cys Ser Gln Asn Gly Asn Leu Thr Leu
485 490 495

Thr Asp Asp Asp Val Ile Glu Lys Ser Asn Leu Ser Arg Gln Phe Leu
500 505 510

Phe Arg Asp Trp Asn Ile Gly Gln Pro Lys Ser Thr Val Ala Ala Thr
515 520 525

Ala Ala Met Val Ile Asn Pro Lys Leu His Val Glu Ala Leu Gln Asn
530 535 540

Arg Ala Ser Pro Glu Thr Glu Asn Val Phe Asn Asp Ala Phe Trp Glu
545 550 555 560

Asn Leu Asp Ala Val Val Asn Ala Leu Asp Asn Val Thr Ala Arg Met
565 570 575

Tyr Ile Asp Ser Arg Cys Val Tyr Phe Gln Lys Pro Leu Leu Glu Ser
580 585 590

Gly Thr Leu Gly Ala Lys Cys Asn Thr Gln Met Val Ile Pro His Leu
595 600 605

Thr Glu Asn Tyr Gly Ala Ser Arg Asp Pro Pro Glu Lys Gln Ala Pro
610 615 620

Met Cys Thr Val His Ser Phe Pro His Asn Ile Asp His Cys Leu Thr
625 630 635 640

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Trp Ala Arg Ser Glu Phe Glu Gly Leu Leu Glu Lys Thr Pro Thr Glu
                645                 650                 655

Val Asn Ala Phe Leu Ser Asn Pro Thr Thr Tyr Ile Ser Ala Ala Arg
            660                 665                 670

Thr Ala Gly Asp Ala Gln Ala Arg Asp Gln Leu Glu Arg Val Ile Glu
        675                 680                 685

Cys Leu Asp Arg Asp Lys Cys Glu Thr Phe Gln Asp Ser Ile Thr Trp
    690                 695                 700

Ala Arg Leu Lys Phe Glu Asp Tyr Phe Ser Asn Arg Val Lys Gln Leu
705                 710                 715                 720

Thr Phe Thr Phe Pro Glu Asp Ser Met Thr Ser Ser Gly Ala Pro Phe
                725                 730                 735

Trp Ser Ala Pro Lys Arg Phe Pro Arg Pro Val Glu Phe Ser Ser Ser
            740                 745                 750

Asp Gln Ser Gln Leu Ser Phe Ile Leu Ala Ala Ala Ile Leu Arg Ala
        755                 760                 765

Glu Thr Phe Gly Ile Pro Ile Pro Glu Trp Ala Lys Thr Pro Asn Lys
    770                 775                 780

Leu Ala Ala Glu Ala Val Asp Lys Val Ile Val Pro Asp Phe Gln Pro
785                 790                 795                 800

Lys Gln Gly Val Lys Ile Val Thr His Glu Lys Ala Thr Ser Leu Ser
                805                 810                 815

Ser Ala Ser Val Asp Asp Ala Ala Val Ile Glu Glu Leu Ile Ala Lys
            820                 825                 830

Leu Glu Glu Val Ser Lys Thr Leu Pro Ser Gly Phe His Met Asn Pro
        835                 840                 845

Ile Gln Phe Glu Lys Asp Asp Asp Thr Asn Phe His Met Asp Val Ile
    850                 855                 860

Ala Gly Phe Ala Asn Met Arg Ala Arg Asn Tyr Ser Ile Pro Glu Val
865                 870                 875                 880

Asp Lys Leu Lys Ala Lys Phe Ile Ala Gly Arg Ile Ile Pro Ala Ile
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885 890 895

Ala Thr Ser Thr Ala Met Ala Thr Gly Leu Val Cys Leu Glu Leu Tyr
900 905 910

Lys Ala Leu Ala Gly Gly His Lys Val Glu Asp Tyr Arg Asn Thr Phe
915 920 925

Ala Asn Leu Ala Ile Pro Leu Phe Ser Ile Ala Glu Pro Val Pro Pro
930 935 940

Lys Thr Ile Lys His Gln Glu Leu Ser Trp Thr Val Trp Asp Arg Trp
945 950 955 960

Thr Val Thr Gly Asn Ile Thr Leu Arg Glu Leu Leu Glu Trp Leu Lys
965 970 975

Glu Lys Gly Leu Asn Ala Tyr Ser Ile Ser Cys Gly Thr Ser Leu Leu
980 985 990

Tyr Asn Ser Met Phe Pro Arg His Lys Glu Arg Leu Asp Arg Lys Val
995 1000 1005

Val Asp Val Ala Arg Glu Val Ala Lys Met Glu Val Pro Ser Tyr
1010 1015 1020

Arg Arg His Leu Asp Val Val Val Ala Cys Glu Asp Asp Asp Asp
1025 1030 1035

Asn Asp Val Asp Ile Pro Leu Val Ser Val Tyr Phe Arg
1040 1045 1050

<210> 2
<211> 147
<212> PRT
<213> Homo sapiens

<400> 2

Met Ala Leu Lys Arg Ile His Lys Glu Leu Asn Asp Leu Ala Arg Asp
1 5 10 15

Pro Pro Ala Gln Cys Ser Ala Gly Pro Val Gly Asp Asp Met Phe His
20 25 30

Trp Gln Ala Thr Ile Met Gly Pro Asn Asp Ser Pro Tyr Gln Gly Gly
35 40 45

Val Phe Phe Leu Thr Ile His Phe Pro Thr Asp Tyr Pro Phe Lys Pro

50 55 60

Pro Lys Val Ala Phe Thr Thr Arg Ile Tyr His Pro Asn Ile Asn Ser
65 70 75 80

Asn Gly Ser Ile Cys Leu Asp Ile Leu Arg Ser Gln Trp Ser Pro Ala
85 90 95

Leu Thr Ile Ser Lys Val Leu Leu Ser Ile Cys Ser Leu Leu Cys Asp
100 105 110

Pro Asn Pro Asp Asp Pro Leu Val Pro Glu Ile Ala Arg Ile Tyr Lys
115 120 125

Thr Asp Arg Glu Lys Tyr Asn Arg Ile Ala Arg Glu Trp Thr Gln Lys
130 135 140

Tyr Ala Met
145

<210> 3
<211> 84
<212> PRT
<213> Homo sapiens

<400> 3

Met Lys Val Lys Ile Lys Cys Trp Asn Gly Val Ala Thr Trp Leu Trp
1 5 10 15

Val Ala Asn Asp Glu Asn Cys Gly Ile Cys Arg Met Ala Phe Asn Gly
20 25 30

Cys Cys Pro Asp Cys Lys Val Pro Gly Asp Asp Cys Pro Leu Val Trp
35 40 45

Gly Gln Cys Ser His Cys Phe His Met His Cys Ile Leu Lys Trp Leu
50 55 60

His Ala Gln Gln Val Gln Gln His Cys Pro Met Cys Arg Gln Glu Trp
65 70 75 80

Lys Phe Lys Glu